

CLAIMS

1. A wireless transmission-reception system comprising: a transmitter comprising a compressor circuit for compressing signals to be transmitted, and a pre-emphasis circuit for emphasizing the compressed signals in the predetermined frequency band; and a receiver comprising an expander circuit having a variable gain amplifier, a first de-emphasis circuit connected to demodulation means in parallel with said expander circuit for de-emphasizing the received signals without expansion, and a second de-emphasis circuit connected to said expander circuit for de-emphasizing the expanded, received signals, the output from said first de-emphasis circuit performing control of the gain of said variable gain amplifier.

2. The wireless transmission-reception system according to Claim 1, wherein a combination or each of said first and second de-emphasis circuits has a complementary de-emphasis to said pre-emphasis circuit.

3. The wireless transmission-reception system according to Claim 1, wherein said expander circuit further has a rectifier circuit for rectifying the output from said first de-emphasis circuit, the control of the gain of said variable gain amplifier being performed by the rectified output from said rectifier circuit.

4. The wireless transmission-reception system according to Claim 2, wherein said expander circuit further has a rectifier circuit for rectifying the output from said first de-emphasis circuit, the control of the gain of said

variable gain amplifier being performed by the rectified output from said rectifier circuit.

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